ELECTRICALLY LIGHTED COUNTRY PLACES

"Quality"

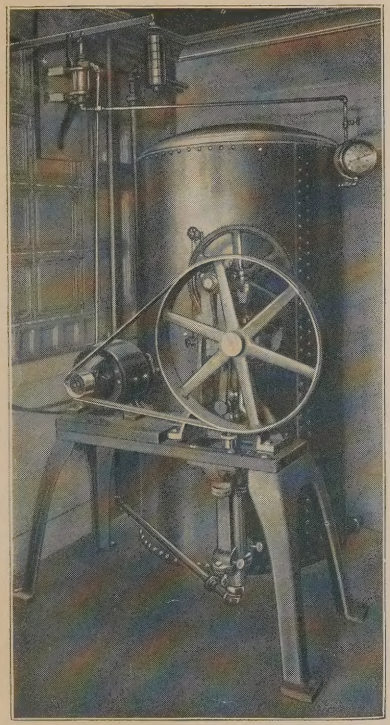
ELECTRIC LIGHTING SYSTEMS

For Sale By
PARENT & STEVENS CO.,
Caribou, Maine.

BRACKETT, SHAW & LUNT COMPANY

SOMERSWORTH, NEW HAMPSHIRE and
62 North Washington St., BOSTON

#810



"Quality"

For Sale By
PARENT & STEVENS CO.,
Caribou, Maine.

Electric Lighting Systems

CLEAN, SAFE AND SUCCESSFUL

BRACKETT, SHAW & LUNT CO.
QUALITY COUNTS

BRACKETT, SHAW & LUNT COMPANY

SOMERSWORTH, N. H. BOSTON, MASS.

Boston Office .·. 62 North Washington Street

PROPERTY OF L. F. WRIGHT, WEST FALMOUTH, MASS.

Introductory

ROBABLY nearly everyone who reads this already knows that our Reliance Line of Engines, Power-driven Machinery, and Water Systems have, for a long term of years, been used as a standard to which others are compared. Having by untiring effort and singleness of purpose (extending over a period of twenty-six years) succeeded in making them what they are, we now offer this "Quality" Electric Lighting System, promising to make and maintain it a worthy addition to the "Reliance" Line. We offer to mail our "Water Catalog" or our "General Catalog" free — upon request.

"Qualite"

PROPERTY OF JAMES B. PICKERING

Newington, N. H.

BRACKETT, SHAW & LUNT CO.,
Somersworth, N. H.

Dear Sirs:

I take pleasure in stating that the electric lighting plant, with storage battery, which you installed in November, 1911, in my country home and farm buildings, has proved highly satisfactory and thoroughly practical. I have experienced no trouble whatever in running the plant, and find that my lighting costs me but little.

Information with reference to the satisfactory service rendered by this plant will be cheerfully furnished those properly interested.

Yours very truly,

JAMES BURNETT PICKERING.

Why use Electric Light

BECAUSE it is safe, clean, bright, convenient, steady, odorless, smokeless, healthful, cheerful, available whenever and wherever you want it; ESPECIALLY SUITABLE FOR USE IN FARMHOUSES, STABLES, AND BARNS, WHERE THERE IS ALWAYS DANGER OF FIRE, IF KEROSENE, ACETYLENE, OR GASOLINE LAMPS ARE USED.

In the cellar, closet, attic, hay-mow, wherever kerosene lights would be dangerous, electric lights can be safely used. No open flame, cannot explode, cannot blow out.

With gasoline at fourteen cents per gallon, the fuel cost for thirty lights for one hour, or ten lights for three hours, will ordinarily be only about two cents. The fuel cost for most private installations will not exceed two cents a day.

When the dynamo is operating from your engine, in connection with other work, the cost of developing current is hardly noticeable.

The "Quality" lighting outfits are of the combination dynamo-storage-battery type; that is, the current for lighting is taken regularly from the storage battery, the dynamo being used to keep the battery charged. Freezing weather does not injure the battery.

"Quality"

PROPERTY OF E. B. SAWYER, JONESPORT, MAINE

West Jonesport, Me.

BRACKETT, SHAW & LUNT CO.,
Somersworth, N. H.

Gentlemen:

After using one of your electric lighting systems with storage battery six months, am pleased to say it has worked with great satisfaction since first installed. Would not go back to kerosene lights for five times the cost of the system. Consider same the safest and most economical light yet discovered.

Thanking you very much for all past favors, remain,

Yours very truly,

L. L. HINKLEY.

Light any Minute

ALMOST no attendance is needed to keep the storage battery charged and the "Quality" lighting system in constant readiness to do its duty in keeping your building and grounds as light as day whenever you snap the switch.

"Quality" outfits may be used in either of the three following ways: —

First, the storage battery may do all the work, the engine being run only a short time and in daylight for charging. Second, the engine may be run at night until you retire and the lights be taken from the dynamo direct, keeping the battery to be used later and in the early morning only. Third, the dynamo and the battery may be used in parallel, taking the current from both the dynamo and the battery. This is sometimes advisable when a considerable number of lights are needed on special occasions. About twice the number of lights may be burned by using current from both the dynamo and the battery at once.

Ordinarily one charging of battery will take care of your lights for about a week, depending on size of battery and number of lights utilized.

"Quality"

ANGUS PARKS, HANOVER, CONN.

NEW HOLLY INN
Christmas Cove, Maine

BRACKETT, SHAW & LUNT CO.,
Somersworth, N. H.

Gentlemen:

The storage battery system of electric lighting which you installed in New Holly Inn early in 1911 has given perfect satisfaction. It has proved a safe, economical method of lighting our house; so much so that we have undertaken to supply electric light to the Casino and to several cottages and other buildings in our near vicinity.

We have had no trouble in handling this extra service, and are giving entire satisfaction to our patrons.

To anyone looking for a safe, reliable system of lighting, we can recommend your storage battery system in the highest terms.

Truly yours,

ALBERT T. THORP.

Easily Operated

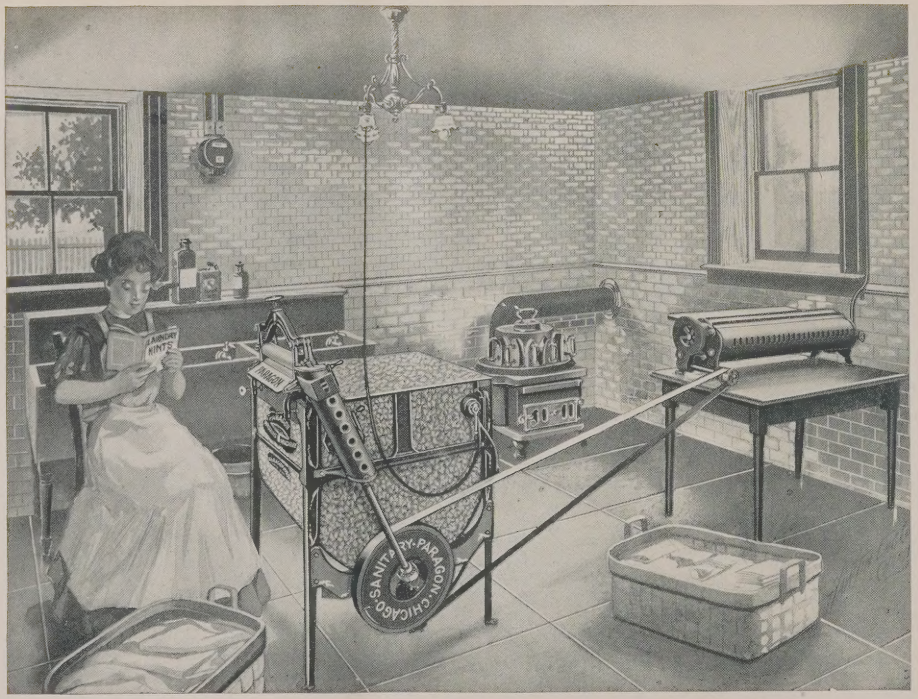
THE great perfection of the storage battery, the great efficiency of the low-voltage Mazda (tungsten) lamps, the simplicity and reliability of "Quality" switchboards with the automatic cut-out feature, together with low cost of installation and operation of the Reliance Line Gasoline Engine, make this lighting system better than others.

If, as formerly, you had to start your engine and run your dynamo every time you needed a light, you probably would not install an electric light plant.

But we are able to provide a storage battery or reservoir for storing electric current, so that electricity may be generated when convenient and used at will. Thus, with our "Quality" system, you generate the current (which is retained in your storage battery), at any time when your engine is pumping water, grinding corn, or doing other work, so you do not need to run the engine at night when the lights are in use.

The lights of the "Quality" system are just as steady as those of a central-station 110-volt current.

"Quality"



ELECTRIC LAUNDRY MACHINES

Christmas Cove House
Christmas, Maine.

Brackett, Shaw & Lunt Co.

Dear Sirs:

We have great pleasure in stating that for the month we have installed our electric light system with storage batteries that same has proved very satisfactory, and we highly recommend the Brackett, Shaw & Lunt Co. for such work.

Yours very truly,

Wilber E. Little.

Other Uses Besides Lighting

THE use of electricity is by no means limited to lighting. Water systems, corn shellers, cream separators, milking machines, can all be operated by electricity, and in the home, flatirons, fans, sewing machines, washing machines, vacuum cleaners, ice-cream freezers, as well as numerous small cooking devices, the latter often taking the place of a coal fire in preparing meals.

Abundance of light and the convenience of electricity can no longer be classed as luxuries. The better light afforded for reading and working, the purer circulation of the air, the labor saving of electric motors, and the practical elimination of fire risk, have made electricity almost a necessity in the modern country and city home.

Nothing is more convenient than electric power for use in connection with our "Quality" Hydro-Pneumatic water system. On page one of this catalog is illustrated one of our many types of electric pumps. An electrically driven pump may be successfully used in connection with a smaller "Quality" tank than would be practical were any other power used, as, by use of an automatic switch, water may be kept at a uniform level without personal attention.

"Quality"

Jonesport, Me.

BRACKETT, SHAW & LUNT CO.
Boston, Mass.

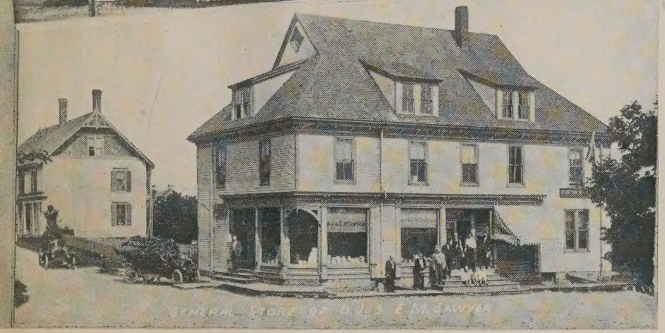
Gentlemen:

A few years ago I saw your advertisement in the *Youth's Companion* for water system for country homes. I bought one of you, and have had a lot of pleasure with it ever since I installed it.

Now I see you advertise to light houses by electricity the same way. Please write me about it, and about what it would cost to light my house. I have about twelve rooms and a barn.

Yours truly,

JOHN V. SAWYER.



D. J. & E. M. Sawyer,
Jonesport, Me.

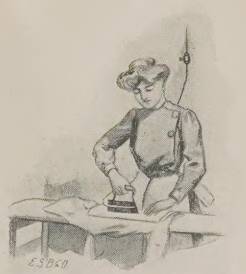
Brackett, Shaw & Lunt Co.,
Somersworth, N. H.

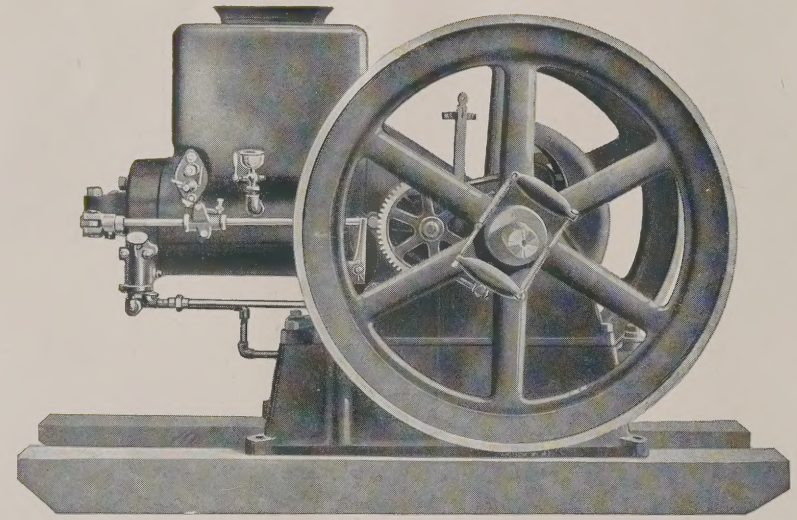
Gentlemen:

The electric lighting outfit which you installed for us last August is giving entire satisfaction. The plant is in the basement of the store, requires but little attention, is very simple to operate. We are lighting, besides the store and storehouses, the Congregational church, residences of John V. Sawyer, O. W. Look, E. B. Sawyer and my own. We have never had one minute's trouble nor a dim light, and, in fact, we have the best electric lights I ever saw.

Yours truly,

E. M. Sawyer.





Woodsville, N. H.

BRACKETT, SHAW & LUNT CO.,
Boston, Mass.

Dear Sirs:

I installed one of your electric lighting plants with storage battery a little over a year ago. I light two houses and a barn. It has given the best satisfaction. I would not part with it for any sum.

Very truly,

DWIGHT P. CHILD.

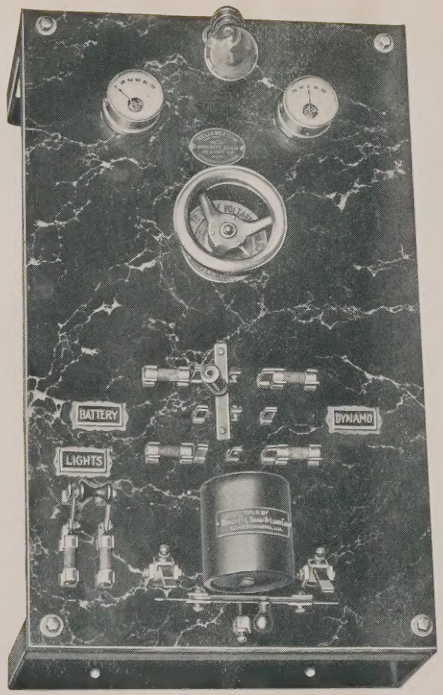
The Engine and Dynamo

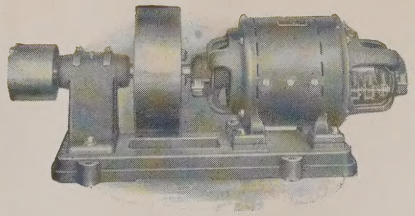
THE first consideration in installing an electric lighting plant for the class of service under consideration is a source of mechanical energy for the operation of the dynamo. The many improvements made in the gasoline engine during the past few years have made it the most feasible source of power for this purpose. A Reliance Line Gasoline Engine adapted for lighting plants is absolutely reliable. The engine can be started when desired and left to run as long as may be required, without attention, as a rule.

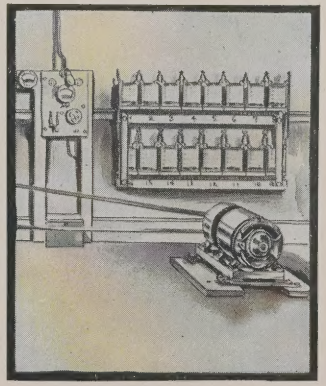
We advise the use of both battery and generator, using them in parallel as already described. This makes it desirable to use a high-grade, specially designed dynamo.

A steady light is secured with our dynamo, largely because of using a flywheel of sufficient weight and by mounting it on the dynamo shaft, where it is most effective. Because of the comparatively high speed of a dynamo armature, a flywheel mounted on this shaft is far more effective than an equivalent weight mounted either on the engine or on a speed shaft. As a matter of fact, one pound weight on generator balance wheel equals in efficiency about 225 pounds on the balance wheel of the engine.

"Quality"







J. E. Henry & Sons Co.,
Lincoln, N. H.

Brackett, Shaw & Lunt Co.,
Boston, Mass.

Gentlemen:

In the fall of 1910 we purchased from you an electric light equipment for one of our logging camps, which consists of six to eight different buildings, and requires about sixty lights.

We were so well pleased with the results that in the fall of 1911 we installed the same system in all of our logging camps, which we consider as economical, and much safer than oil lights.

Very truly,

J. E. Henry & Sons Co.,
G. E. Henry, *President.*

The Switch-board

THE weight of the flywheel on our special dynamo is far greater than can be successfully mounted in unsupported two-bearing dynamo construction, consequently our special dynamo has a third outside bearing.

Special methods of winding and carefully worked-out mechanical details of construction all contribute their share to the fullest degree of success. We recommend this type of dynamo as unequaled.

All main wires lead from the switchboard, and from this board the operation of every part of the plant may be controlled. Always locate the switchboard in plain view and where it may be easily reached, so that it may easily be kept clean. While it is desirable to locate the generator and battery near the switchboard, under most conditions the battery may be installed at any reasonable distance.

The "Quality" switchboard has been developed and perfected after long and careful work by experienced designers. The materials and instruments are of the best. The proportions and arrangement of parts are artistic, and the finished article is not only as good as the best, but is also an ornament to the engine room.

"Quality"

The High Quality Instruments

THE various instruments and parts are mounted on our finely finished and marbleized slate board, which carries with it a steel frame, supporting it eight inches away from the wall.

The high-grade standard *voltmeter* and *ammeter* are located at top of the board; between them is a pilot light, so that it is always easy to note their readings.

The rheostat is of the "back-of-board" type, only the copper hand-wheel being on the front of board. The automatic control device is near the bottom of board, and is very simple, durable, and effective. Should the engine stop for any reason, this instantly opens the circuit, thus preventing loss of current back through the dynamo.

It will also open in case the dynamo fails to generate enough current to properly charge the batteries, thus preventing waste of current. Suitable switches are provided, to which fuses of the most approved type are attached to guard lamps and wiring against flow of too heavy current.

"Quality"

E. T. Wright & Co.
Manufacturers of
The "Just Wright" Shoe
Rockland, Mass.

Brackett, Shaw & Lunt Co.,
Boston, Mass.

Gentlemen:

Your esteemed favor of recent date is at hand, and in reply will be glad to grant your request.

I have one of your Woodpecker engines, a pumping outfit, along with one of your dynamos, switchboard and storage battery, — a complete outfit, which supplies us with water as well as manufacturing our own electric light, and which has given us very satisfactory service during the past three years.

We will be willing to have you recommend to any of your prospective customers our outfit for inspection, and should be pleased to show them our plant in working order. We would be glad to recommend either the entire plant, or each part, taking it separately, to any prospective customers.

Trusting you are having a good business, I remain,

Very truly yours,
Louis F. Wright.

STANDARD SETS

On pages 20 and 21 are described our standard outfits. While these are designed to suit most conditions, we are prepared to make special plans and estimates for special needs.

We Employ a Corps of Electricians Who Are Competent to Make Plans for Special Work, as Well as to Plan and Execute Wiring of All Kinds. Get our estimates.

ELECTRIC LIGHTING OUTFIT "B"

ENGINE

One 1 to 1½-H. P. hopper-cooled Stover gasoline engine, with pulley, battery, spark coil and complete regular equipment.

GENERATOR

1 frame, No. 11; twenty-five 16-C. P. light, 15 ampere, 35 volt; balance-wheel generator, with rheostat, belt tightener, base rails, and 3 x 2¾ pulley.

STORAGE BATTERY

14 cells, P. T. chloride accumulator batteries, 28 volts; six 16-C. P. lights for five hours, or eight lights for three hours.

SWITCHBOARD

30 x 16 marbleized slate switchboard, with zero center Hoyt ammeter, pilot lamp, automatic circuit breaker, double-throw triple-pole charge and discharge switch, with fuses, $270

Outfit "A," same as above, with NO balance-wheel generator $245

Prices subject to discount

ELECTRIC LIGHTING OUTFIT "D"

ENGINE

One 3-H. P. hopper-cooled Stover gasoline engine, with pulley, battery, spark coil, and complete regular equipment.

GENERATOR

1 frame, No. 12; forty 16-C. P. light, 11 ampere, 75 volt; balance-wheel generator, with rheostat, belt tightener, base rails, and 3½ x 3 pulley.

STORAGE BATTERY

28 cells, E. T. chloride accumulator batteries, 56 volts; sixteen 16-C. P. lights eight hours, or twenty lights five hours, thirty lights three hours.

SWITCHBOARD

30 x 18 marbleized slate switchboard, with Hoyt's zero center ammeter and voltmeter, pilot lamp, automatic circuit breaker, double-throw triple-pole charge and discharge switch, with fuses $452

Price subject to discount

ELECTRIC LIGHTING OUTFIT "C"

ENGINE

One 1¾-H. P. hopper-cooled gasoline engine, with pulley, battery, spark coil, and complete regular equipment.

GENERATOR

1 frame, No. 12; forty 16-C. P. light, 22 ampere, 35 volt; balance-wheel generator, with rheostat, belt tightener, base rails, and 3½ x 3 pulley.

STORAGE BATTERY

14 cells, E. T. chloride accumulator batteries, 28 volts; eight 16-C. P. lights for eight hours, or ten for five hours, fifteen lights for three hours.

SWITCHBOARD

30 x 18 marbleized slate switchboard, with zero center Hoyt ammeter and voltmeter, pilot lamp, automatic circuit breaker, double-throw triple-pole charge and discharge switch, with fuses $318

Price subject to discount

ELECTRIC LIGHTING OUTFIT "E"

ENGINE

One 3-H. P. hopper-cooled Stover gasoline engine, with pulley, battery, spark coil, and complete regular equipment.

GENERATOR

1 frame, No. 13; sixty 16-C. P. light, 16 ampere, 75 volt; balance-wheel generator, with rheostat, belt tightener, base rails, and 4½ x 3¼ pulley.

STORAGE BATTERY

28 cells, E. T. chloride accumulator batteries, 56 volts; sixteen 16-C. P. lights eight hours, or twenty lights five hours, thirty lights three hours.

SWITCHBOARD

30 x 18 marbleized slate switchboard, with Hoyt zero center ammeter and voltmeter, pilot lamp, automatic circuit breaker, double-throw triple-pole charge and discharge switch, with fuses $470

Price subject to discount

ELECTRIC LIGHTING OUTFIT "F"

ENGINE

One 3-H. P. hopper-cooled Stover gasoline engine, with pulley, battery, spark coil, and complete regular equipment.

GENERATOR

1 frame, No. 13; sixty 16-C. P. light, 16 ampere, 75 volt; balance-wheel generator, with rheostat, belt tightener, base rails, and 4½ x 3¼ pulley.

STORAGE BATTERY

28 cells, E. 5 chloride accumulator batteries, 56 volts; thirty-two 16-C. P. lights eight hours, forty lights five hours, sixty lights three hours.

SWITCHBOARD

30 x 18 marbleized slate switchboard, with Hoyt zero center ammeter and voltmeter, pilot lamp, automatic circuit breaker, double-throw triple-pole charge and discharge switch, with fuses . . . . . .

ELECTRIC LIGHTING OUTFIT "H"

ENGINE

One 4½-H. P. hopper-cooled Stover gasoline engine, with pulley, battery, spark coil, and complete regular equipment.

GENERATOR

1 frame, No. 14½; eighty-five 16-C. P. light, 23 ampere, 75 volt; balance-wheel generator, with rheostat, belt tightener, base rails, and 4½ x 3¼ pulley.

STORAGE BATTERY

28 cells, E. 7 chloride accumulator batteries, 56 volts; forty-eight 16-C. P. lights eight hours, sixty lights five hours, ninety lights three hours.

SWITCHBOARD

30 x 18 marbleized slate switchboard, with Hoyt zero center ammeter and voltmeter, pilot lamp, automatic circuit breaker, double-throw triple-pole charge and discharge switch, with fuses . . . . . .

ELECTRIC LIGHTING OUTFIT "G"

ENGINE

One 3-H. P. hopper-cooled Stover gasoline engine, with pulley, battery, spark coil, and complete regular equipment.

GENERATOR

Frame, No. 14; seventy-five 16-C. P. light, 20 ampere, 75 volt; balance-wheel generator, with rheostat, belt tightener, base rails, and 4½ x 3½ pulley.

STORAGE BATTERY

28 cells, E. 7 chloride accumulator batteries, 56 volts; forty-eight 16-C. P. lights eight hours, sixty lights five hours, ninety lights three hours.

SWITCHBOARD

30 x 18 marbleized slate switchboard, with Hoyt zero center ammeter and voltmeter, pilot lamp, automatic circuit breaker, double-throw triple-pole charge and discharge switch, with fuses . . . . . .

ELECTRIC LIGHTING OUTFIT "I"

ENGINE

One 4½-H. P. hopper-cooled Stover gasoline engine, with pulley, battery, spark coil, and complete regular equipment.

GENERATOR

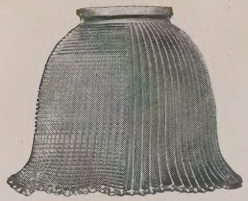
1 frame, No. 15; one hundred and fifty 16-C. P. light, 40 ampere, 75 volt; balance-wheel generator, with rheostat, belt tightener, base rails, and 6 x 5 pulley.

STORAGE BATTERY

28 cells, E. 9 chloride accumulator batteries, 56 volts; sixty-four 16-C. P. lights eight hours, eighty lights five hours, one hundred and twenty lights three hours.

SWITCHBOARD

30 x 18 marbleized slate switchboard, with Hoyt zero center ammeter and voltmeter, pilot lamp, automatic circuit breaker, double-throw triple-pole charge and discharge switch, with fuses . . . . . .



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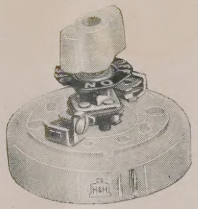

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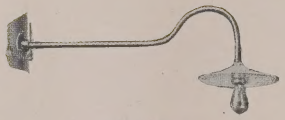

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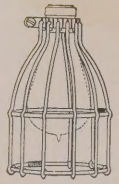
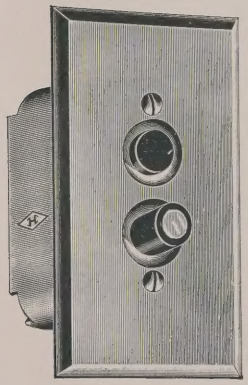
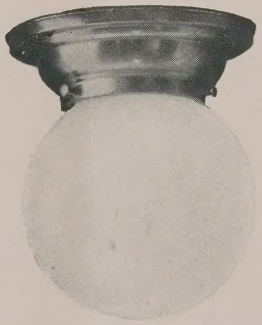


No. 1

Pull Socket
No. 3627



Push Button Switch. No. 7001



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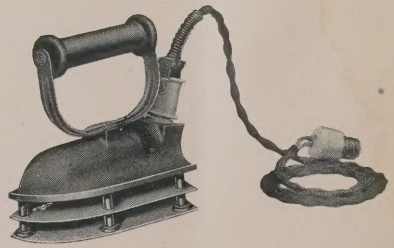
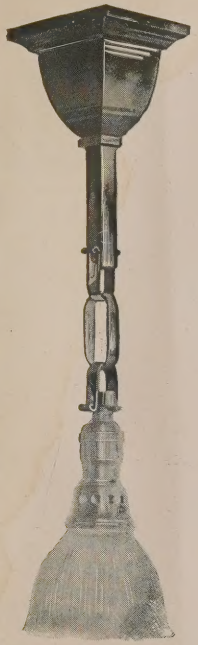


Electric Flat Iron. No. 7000



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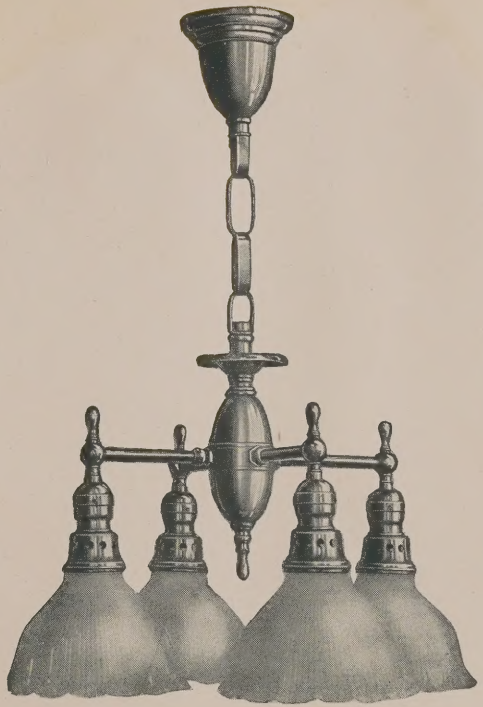
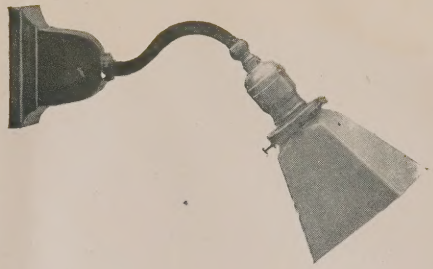
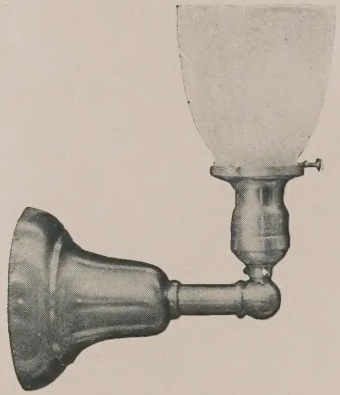


Stem, No. 713. Arm, No. 225



No. 108. Extends 8 inches



No. 125

OFFICERS

JULIAN W. SHAW, *President*

JOSEPH B. BRACKETT, *Treasurer*

DANIEL A. LUNT, *Vice-President*

THE SPARRELL PRINT, BOSTON

AVERY CLASSICS

GRAY'S INN, JACKSON, N. H., LIGHTED BY "QUALITY" SYSTEM